

2152

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PTO/SB/21 (08-00)

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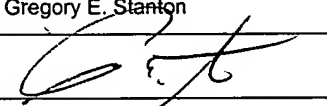
<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/057,694	
	Filing Date	January 23, 2002	
	First Named Inventor	Chatterjee, Chanchal	
	Group Art Unit	2152	
	Examiner Name		
Total Number of Pages in This Submission	4	Attorney Docket Number	018926-008800US

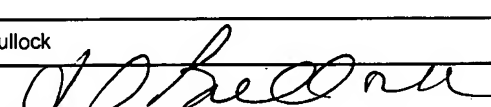
ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard, copy of assignment, 3.73(b) statement
Remarks		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm and Individual name	Townsend and Townsend and Crew LLP Gregory E. Stanton Reg. No. 45,127	
Signature		
Date	3/20/02	

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 3/20/02		
Typed or printed name	D. Bullock	
Signature		Date 3/20/02

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SF 1328724 v1

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PTO/SB/81 (02-01)

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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

**Application Number**

**Filing Date**

**First Named Inventor**

**Title**

**Group Art Unit**

**Examiner Name**

**Attorney Docket Number**

1/23/02

Chatterjee

Methods and Systems for Efficient  
Filtering of Digital Signals

018926-008800

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I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

Name

Charles M. Fish, Assistant Secretary

Signature

Date

February 14, 2002

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SF 1314587 v1



Attorney Docket No.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Chatterjee

Application No./Patent No.: \_\_\_\_\_ Filed/Issue Date: 1/23/02

Entitled: Methods and Systems for Efficient Filtering of Digital Sounds Signals *cf*

General Instrument Corporation, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

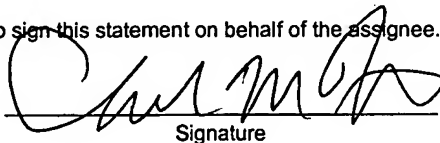
☐ Copies of assignments or other documents in the chain of title are attached.

**(NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

February 14, 2002

Date

  
Signature

Charles M. Fish

Typed or printed name

Assistant Secretary

Title

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ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, Chanchal Chatterjee of 10553 Harvest View Way, San Diego, CA 92128; hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: METHODS AND SYSTEMS FOR EFFICIENT FILTERING  
OF DIGITAL SIGNALS

Date(s) of execution of Declaration: 01/23/2002

Filing Date: \_/\_/\_

Application No.: ; and

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WHEREAS, General Instrument Corporation, a corporation of the state of Delaware, located at 101 Tournament Drive, Horsham, PA, 19044, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 01/23/02

Chanchal Chatterjee  
Chanchal Chatterjee